

**REMARKS**

Claims 1-7 remain pending in the application. Of these, claims 1-7 are currently amended.

Claims 1-7 are rejected under 35 U.S.C. §112, second paragraph. Claim 1 has been amended to overcome this rejection. In particular, sole independent claim 1 has been amended to positively recite an electrode structure. Dependent claims 2-7 have been amended in accordance with the amendment to claim 1.

The claims are rejected under 35 U.S.C. §102(e) based on Cosman U.S. 6,241,725 (Cosman '725) or under 35 U.S.C. §103(a) based on Cosman '725 in view of Swanson U.S. 6,023,638. Claim 1 has been amended in view of this rejection. As defined by the amended claim 1, the cited references do not teach or suggest, alone or in combination, a system comprising an electrode structure having a circumferential array of electrodes and interface in which an operating system generates an idealized image of the electrode structure which spatially models the particular circumferential array of electrodes and a second image that displays concurrently for each electrode changes in the monitored surface tissue temperature at each electrode over time. Dependent claims 2-7 further define the subject matter of claim 1 and are therefore also believed to be allowable over the cited references.

Claim 1 is rejected under the doctrine of obviousness-type double patenting over claims 1-14 of U.S. Patent No. 6,358,245 (the '245 Patent) and claims 4 and 14-19 of U.S. Patent No. 6,273,886 (the '886 Patent). Applicant will file terminal disclaimers based on the '245 Patent and the '886 Patent upon the indication of allowable subject matter, but for the double patenting rejection.

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Amendment D

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Reconsideration in view of the foregoing amendments and remarks and allowance of claims  
1-7 is respectfully requested.

Respectfully Submitted,

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